
APPENDIX C

AIR QUALITY

URBEMIS 2001 Modeling Results

URBEMIS 2001 For Windows 6.2.1

File Name: C:\Program Files\URBEMIS 2001 For Windows\Projects2k\DeWitt Oper
 Project Name: DeWitt Phase B Operational
 Project Location: Lower Sacramento Valley Air Basin

SUMMARY REPORT
 (Pounds/Day - Winter)

AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	PM10	SO2
TOTALS (lbs/day, unmitigated)	0.05	0.63	0.25	0.00	0.00

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	PM10	SO2
TOTALS (ppd, unmitigated)	6.60	6.30	62.40	3.43	0.02

Operational Emissions**Phase B, 2010**

URBEMIS 2001 For Windows 6.2.1

File Name: C:\Program Files\URBEMIS 2001 For Windows\Projects2k\DeWitt Oper
 Project Name: DeWitt Phase B Operational
 Project Location: Lower Sacramento Valley Air Basin

DETAIL REPORT
 (Pounds/Day - Summer)

AREA SOURCE EMISSION ESTIMATES (Summer Pounds per Day, Unmitigated)					
Source	ROG	NOx	CO	PM10	SO2
Natural Gas	0.05	0.63	0.25	0.00	-
Wood Stoves - No summer emissions					
Fireplaces - No summer emissions					
Landscaping	0.03	0.01	0.28	0.00	0.00
Consumer Prdcts	0.00	-	-	-	-
TOTALS (lbs/day, unmitigated)	0.08	0.64	0.53	0.00	0.00

Operational Emissions

Phase B, 2010

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	PM10	SO2
Government office building	8.02	4.06	68.00	3.43	0.03
TOTAL EMISSIONS (lbs/day)	8.02	4.06	68.00	3.43	0.03

Includes correction for passby trips.

Includes a double counting reduction for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2010 Temperature (F): 95 Season: Summer

EMFAC Version: EMFAC2001 (10/2001)

Summary of Land Uses:

Unit Type	Trip Rate	Size	Total Trips
Government office building	8.03 trips / 1000 sq. ft.	95.00	762.85

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	61.50	4.70	94.50	0.80
Light Truck < 3,750 lbs	9.60	11.00	88.90	0.10
Light Truck 3,751- 5,750	16.70	1.80	97.60	0.60
Med Truck 5,751- 8,500	7.20	12.50	79.20	8.30
Lite-Heavy 8,501-10,000	1.10	18.20	72.70	9.10
Lite-Heavy 10,001-14,000	0.80	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.10	9.10	27.30	63.60
Heavy-Heavy 33,001-60,000	0.20	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.00	0.00	0.00	100.00
Motorcycle	1.60	90.90	9.10	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	0.10	0.00	100.00	0.00

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	9.7	3.8	4.6	7.8	4.5	4.5
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	27.3	21.2	51.5			

% of Trips - Commercial (by land use)

Government office building	10.0	5.0	85.0
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Operational Emissions

Phase B, 2010

Changes made to the default values for Area

The wood stove option switch changed from on to off.
The fireplace option switch changed from on to off.
The consumer products option switch changed from on to off.
The area source mitigation measure option switch changed from on to off.
The landscape year changed from 2002 to 2010.
Changes made to the default values for Operations

The double counting option switch changed from off to on.
The mitigation option switch changed from on to off.
The light auto percentage changed from 61.4 to 61.5.
The light truck < 3750 lbs percentage changed from 9.3 to 9.6.
The lite-heavy truck 10001-14000 percentage changed from 0.3 to 0.8.
The heavy-heavy truck 33001-60000 percentage changed from 0.7 to 0.2.
The motorcycle percentage changed from 1.4 to 1.6.
The motorhome percentage changed from 0.7 to 0.1.
The operational emission year changed from 2002 to 2010.
The operational winter temperature changed from 40 to 50.
The operational summer temperature changed from 85 to 95.
The operational summer selection item changed from 7 to 8.
The travel mode environment settings changed from both to: non-residential
The default/noddefault travel setting changed from noddefault to: noddefault
Side Walks/Paths: No Sidewalks
changed to: Side Walks/Paths: Most Destinations Covered
Street Trees Provide Shade: No Coverage
changed to: Street Trees Provide Shade: Some Coverage
Pedestrian Circulation Access: No Destinations
changed to: Pedestrian Circulation Access: Few Destinations
Visually Interesting Uses: No Uses Within Walking Distance
changed to: Visually Interesting Uses: Moderate Number and Variety
Street System Enhances Safety: No Streets
changed to: Street System Enhances Safety: Few Streets
Pedestrian Safety from Crime: No Degree of Safety
changed to: Pedestrian Safety from Crime: Moderate Degree of Safety
Visually Interesting Walking Routes: No Visual Interest
changed to: Visually Interesting Walking Routes: Minor Level
Transit Service: Dial-A-Ride or No Transit Service
changed to: Transit Service: >60 Minute Bus within 1/4 Mile
Interconnected Bikeways: No Bikeway Coverage
changed to: Interconnected Bikeways: Low Coverage
Bike Routes Provide Paved Shoulders: No Routes
changed to: Bike Routes Provide Paved Shoulders: Few Routes
Safe Vehicle Speed Limits: No Routes Provided
changed to: Safe Vehicle Speed Limits: Few Destinations
Uses w/in Cycling Distance: No Uses w/in Cycling Distance
changed to: Uses w/in Cycling Distance: Moderate Number and Variety
Mitigation measure Provide Wide Sidewalks and Onsite Pedestrian Facilities:1
has been changed from off to on.
Mitigation measure Provide Street Lighting:0.5
has been changed from off to on.
Mitigation measure Project Provides Shade Trees to Shade Sidewalks:0.5
has been changed from off to on.
Mitigation measure Provide Bike Lanes/Paths Connecting to Bikeway System:2
has been changed from off to on.
Mitigation measure mitop5: Park and Ride Lots
has been changed from on to off.

Operational Emissions

Phase B, 2010

URBEMIS 2001 For Windows 6.2.1

File Name: C:\Program Files\URBEMIS 2001 For Windows\Projects2k\DeWitt Oper
Project Name: DeWitt Phase B Operational
Project Location: Lower Sacramento Valley Air Basin

SUMMARY REPORT
(Pounds/Day - Winter)

AREA SOURCE EMISSION ESTIMATES					
	ROG	NOx	CO	PM10	SO2
TOTALS (lbs/day, unmitigated)	0.05	0.63	0.25	0.00	0.00

OPERATIONAL (VEHICLE) EMISSION ESTIMATES					
	ROG	NOx	CO	PM10	SO2
TOTALS (ppd, unmitigated)	3.90	3.95	44.41	3.42	0.02

Operational Emissions
Phase B, 2020

URBEMIS 2001 For Windows 6.2.1

File Name: C:\Program Files\URBEMIS 2001 For Windows\Projects2k\DeWitt Oper
Project Name: DeWitt Phase B Operational
Project Location: Lower Sacramento Valley Air Basin

DETAIL REPORT
(Pounds/Day - Summer)

AREA SOURCE EMISSION ESTIMATES (Summer Pounds per Day, Unmitigated)					
Source	ROG	NOx	CO	PM10	SO2
Natural Gas	0.05	0.63	0.25	0.00	-
Wood Stoves - No summer emissions					
Fireplaces - No summer emissions					
Landscaping	0.03	0.01	0.28	0.00	0.00
Consumer Prdcts	0.00	-	-	-	-
TOTALS (lbs/day, unmitigated)	0.08	0.64	0.53	0.00	0.00

Operational Emissions

Phase B, 2020

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	PM10	SO2
Government office building	4.94	2.48	48.78	3.42	0.03
TOTAL EMISSIONS (lbs/day)	4.94	2.48	48.78	3.42	0.03

Includes correction for passby trips.
Includes a double counting reduction for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2020 Temperature (F): 95 Season: Summer

EMFAC Version: EMFAC2001 (10/2001)

Summary of Land Uses:

Unit Type	Trip Rate	Size	Total Trips
Government office building	8.03 trips / 1000 sq. ft.	95.00	762.85

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	61.50	4.70	94.50	0.80
Light Truck < 3,750 lbs	9.60	11.00	88.90	0.10
Light Truck 3,751- 5,750	16.70	1.80	97.60	0.60
Med Truck 5,751- 8,500	7.20	12.50	79.20	8.30
Lite-Heavy 8,501-10,000	1.10	18.20	72.70	9.10
Lite-Heavy 10,001-14,000	0.80	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.10	9.10	27.30	63.60
Heavy-Heavy 33,001-60,000	0.20	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.00	0.00	0.00	100.00
Motorcycle	1.60	90.90	9.10	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	0.10	0.00	100.00	0.00

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	9.7	3.8	4.6	7.8	4.5	4.5
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	27.3	21.2	51.5			

% of Trips - Commercial (by land use)

Government office building	10.0	5.0	85.0
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Operational Emissions

Phase B, 2020

Changes made to the default values for Area

The wood stove option switch changed from on to off.
The fireplace option switch changed from on to off.
The consumer products option switch changed from on to off.
The area source mitigation measure option switch changed from on to off.
The landscape year changed from 2002 to 2020.
Changes made to the default values for Operations

The double counting option switch changed from off to on.
The mitigation option switch changed from on to off.
The light auto percentage changed from 61.4 to 61.5.
The light truck < 3750 lbs percentage changed from 9.3 to 9.6.
The lite-heavy truck 10001-14000 percentage changed from 0.3 to 0.8.
The heavy-heavy truck 33001-60000 percentage changed from 0.7 to 0.2.
The motorcycle percentage changed from 1.4 to 1.6.
The motorhome percentage changed from 0.7 to 0.1.
The operational emission year changed from 2002 to 2020.
The operational winter temperature changed from 40 to 50.
The operational summer temperature changed from 85 to 95.
The operational summer selection item changed from 7 to 8.
The travel mode environment settings changed from both to: non-residential
The default/noddefault travel setting changed from noddefault to: noddefault

Side Walks/Paths: No Sidewalks
changed to: Side Walks/Paths: Most Destinations Covered
Street Trees Provide Shade: No Coverage
changed to: Street Trees Provide Shade: Some Coverage
Pedestrian Circulation Access: No Destinations
changed to: Pedestrian Circulation Access: Few Destinations
Visually Interesting Uses: No Uses Within Walking Distance
changed to: Visually Interesting Uses: Moderate Number and Variety
Street System Enhances Safety: No Streets
changed to: Street System Enhances Safety: Few Streets
Pedestrian Safety from Crime: No Degree of Safety
changed to: Pedestrian Safety from Crime: Moderate Degree of Safety
Visually Interesting Walking Routes: No Visual Interest
changed to: Visually Interesting Walking Routes: Minor Level
Transit Service: Dial-A-Ride or No Transit Service
changed to: Transit Service: >60 Minute Bus within 1/4 Mile
Interconnected Bikeways: No Bikeway Coverage
changed to: Interconnected Bikeways: Low Coverage
Bike Routes Provide Paved Shoulders: No Routes
changed to: Bike Routes Provide Paved Shoulders: Few Routes
Safe Vehicle Speed Limits: No Routes Provided
changed to: Safe Vehicle Speed Limits: Few Destinations
Uses w/in Cycling Distance: No Uses w/in Cycling Distance
changed to: Uses w/in Cycling Distance: Moderate Number and Variety
Mitigation measure Provide Wide Sidewalks and Onsite Pedestrian Facilities:1
has been changed from off to on.
Mitigation measure Provide Street Lighting:0.5
has been changed from off to on.
Mitigation measure Project Provides Shade Trees to Shade Sidewalks:0.5
has been changed from off to on.
Mitigation measure Provide Bike Lanes/Paths Connecting to Bikeway System:2
has been changed from off to on.
Mitigation measure mitop5: Park and Ride Lots
has been changed from on to off.

Operational Emissions

Phase B, 2020

URBEMIS 2001 For Windows 6.2.1

File Name: C:\Program Files\URBEMIS 2001 For Windows\Projects2k\DeWitt Oper
 Project Name: DeWitt Phase C Operational
 Project Location: Lower Sacramento Valley Air Basin

SUMMARY REPORT
 (Pounds/Day - Winter)

AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	PM10	SO2
TOTALS (lbs/day, unmitigated)	0.05	0.63	0.25	0.00	0.00

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	PM10	SO2
TOTALS (ppd, unmitigated)	2.24	2.10	20.75	1.14	0.01

Operational Emissions**Phase C, 2010**

URBEMIS 2001 For Windows 6.2.1

File Name: C:\Program Files\URBEMIS 2001 For Windows\Projects2k\DeWitt Oper
 Project Name: DeWitt Phase C Operational
 Project Location: Lower Sacramento Valley Air Basin

DETAIL REPORT
 (Pounds/Day - Summer)

AREA SOURCE EMISSION ESTIMATES (Summer Pounds per Day, Unmitigated)

Source	ROG	NOx	CO	PM10	SO2
Natural Gas	0.05	0.63	0.25	0.00	-
Wood Stoves - No summer emissions					
Fireplaces - No summer emissions					
Landscaping	0.03	0.01	0.28	0.00	0.00
Consumer Prdcts	0.00	-	-	-	-
TOTALS (lbs/day, unmitigated)	0.08	0.64	0.53	0.00	0.00

Operational Emissions**Phase C, 2010**

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	PM10	SO2
Government office building	4.20	1.35	22.61	1.14	0.01
TOTAL EMISSIONS (lbs/day)	4.20	1.35	22.61	1.14	0.01

Includes correction for passby trips.

Includes a double counting reduction for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2010 Temperature (F): 95 Season: Summer

EMFAC Version: EMFAC2001 (10/2001)

Summary of Land Uses:

Unit Type	Trip Rate	Size	Total Trips
Government office building	2.67 trips / 1000 sq. ft.	95.00	253.65

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	61.50	4.70	94.50	0.80
Light Truck < 3,750 lbs	9.60	11.00	88.90	0.10
Light Truck 3,751- 5,750	16.70	1.80	97.60	0.60
Med Truck 5,751- 8,500	7.20	12.50	79.20	8.30
Lite-Heavy 8,501-10,000	1.10	18.20	72.70	9.10
Lite-Heavy 10,001-14,000	0.80	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.10	9.10	27.30	63.60
Heavy-Heavy 33,001-60,000	0.20	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.00	0.00	0.00	100.00
Motorcycle	1.60	90.90	9.10	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	0.10	0.00	100.00	0.00

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	9.7	3.8	4.6	7.8	4.5	4.5
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	27.3	21.2	51.5			

% of Trips - Commercial (by land use)

Government office building	10.0	5.0	85.0
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Operational Emissions

Phase C, 2010

Changes made to the default values for Area

The wood stove option switch changed from on to off.
The fireplace option switch changed from on to off.
The area source mitigation measure option switch changed from on to off.
The landscape year changed from 2002 to 2010.
Changes made to the default values for Operations

The double counting option switch changed from off to on.
The mitigation option switch changed from on to off.
The light auto percentage changed from 61.4 to 61.5.
The light truck < 3750 lbs percentage changed from 9.3 to 9.6.
The lite-heavy truck 10001-14000 percentage changed from 0.3 to 0.8.
The heavy-heavy truck 33001-60000 percentage changed from 0.7 to 0.2.
The motorcycle percentage changed from 1.4 to 1.6.
The motorhome percentage changed from 0.7 to 0.1.
The operational emission year changed from 2002 to 2010.
The operational winter temperature changed from 40 to 50.
The operational summer temperature changed from 85 to 95.
The operational summer selection item changed from 7 to 8.
The travel mode environment settings changed from both to: non-residential
The default/noddefault travel setting changed from noddefault to: noddefault
Side Walks/Paths: No Sidewalks
changed to: Side Walks/Paths: Most Destinations Covered
Street Trees Provide Shade: No Coverage
changed to: Street Trees Provide Shade: Some Coverage
Pedestrian Circulation Access: No Destinations
changed to: Pedestrian Circulation Access: Few Destinations
Visually Interesting Uses: No Uses Within Walking Distance
changed to: Visually Interesting Uses: Moderate Number and Variety
Street System Enhances Safety: No Streets
changed to: Street System Enhances Safety: Few Streets
Pedestrian Safety from Crime: No Degree of Safety
changed to: Pedestrian Safety from Crime: Moderate Degree of Safety
Visually Interesting Walking Routes: No Visual Interest
changed to: Visually Interesting Walking Routes: Minor Level
Transit Service: Dial-A-Ride or No Transit Service
changed to: Transit Service: >60 Minute Bus within 1/4 Mile
Interconnected Bikeways: No Bikeway Coverage
changed to: Interconnected Bikeways: Low Coverage
Bike Routes Provide Paved Shoulders: No Routes
changed to: Bike Routes Provide Paved Shoulders: Few Routes
Safe Vehicle Speed Limits: No Routes Provided
changed to: Safe Vehicle Speed Limits: Few Destinations
Uses w/in Cycling Distance: No Uses w/in Cycling Distance
changed to: Uses w/in Cycling Distance: Moderate Number and Variety
Mitigation measure Provide Wide Sidewalks and Onsite Pedestrian Facilities: 1
has been changed from off to on.
Mitigation measure Provide Street Lighting: 0.5
has been changed from off to on.
Mitigation measure Project Provides Shade Trees to Shade Sidewalks: 0.5
has been changed from off to on.
Mitigation measure Provide Bike Lanes/Paths Connecting to Bikeway System: 2
has been changed from off to on.
Mitigation measure mitop5: Park and Ride Lots
has been changed from on to off.

Operational Emissions

Phase C, 2010

URBEMIS 2001 For Windows 6.2.1

File Name: C:\Program Files\URBEMIS 2001 For Windows\Projects2k\DeWitt Oper
Project Name: DeWitt Phase C Operational
Project Location: Lower Sacramento Valley Air Basin

SUMMARY REPORT
(Pounds/Day - Winter)

AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	PM10	SO2
TOTALS (lbs/day, unmitigated)	0.05	0.63	0.25	0.00	0.00

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	PM10	SO2
TOTALS (ppd, unmitigated)	1.35	1.32	14.82	1.14	0.01

Operational Emissions

Phase C, 2020

URBEMIS 2001 For Windows 6.2.1

File Name: C:\Program Files\URBEMIS 2001 For Windows\Projects2k\DeWitt Oper
 Project Name: DeWitt Phase C Operational
 Project Location: Lower Sacramento Valley Air Basin

DETAIL REPORT
 (Pounds/Day - Summer)

AREA SOURCE EMISSION ESTIMATES (Summer Pounds per Day, Unmitigated)

Source	ROG	NOx	CO	PM10	SO2
Natural Gas	0.05	0.63	0.25	0.00	-
Wood Stoves - No summer emissions					
Fireplaces - No summer emissions					
Landscaping	0.03	0.01	0.28	0.00	0.00
Consumer Prdcts	0.00	-	-	-	-
TOTALS (lbs/day, unmitigated)	0.08	0.64	0.53	0.00	0.00

Operational Emissions**Phase C, 2020**

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	PM10	SO2
Government office building	2.69	0.83	16.28	1.14	0.01
TOTAL EMISSIONS (lbs/day)	2.69	0.83	16.28	1.14	0.01

Includes correction for passby trips.

Includes a double counting reduction for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2020 Temperature (F): 95 Season: Summer

EMFAC Version: EMFAC2001 (10/2001)

Summary of Land Uses:

Unit Type	Trip Rate	Size	Total Trips
Government office building	2.68 trips / 1000 sq. ft.	95.00	254.60

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	61.50	4.70	94.50	0.80
Light Truck < 3,750 lbs	9.60	11.00	88.90	0.10
Light Truck 3,751- 5,750	16.70	1.80	97.60	0.60
Med Truck 5,751- 8,500	7.20	12.50	79.20	8.30
Lite-Heavy 8,501-10,000	1.10	18.20	72.70	9.10
Lite-Heavy 10,001-14,000	0.80	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.10	9.10	27.30	63.60
Heavy-Heavy 33,001-60,000	0.20	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.00	0.00	0.00	100.00
Motorcycle	1.60	90.90	9.10	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	0.10	0.00	100.00	0.00

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	9.7	3.8	4.6	7.8	4.5	4.5
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	27.3	21.2	51.5			

% of Trips - Commercial (by land use)

Government office building	10.0	5.0	85.0
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Operational Emissions

Phase C, 2020

Changes made to the default values for Area

The wood stove option switch changed from on to off.
The fireplace option switch changed from on to off.
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The landscape year changed from 2002 to 2020.
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The motorcycle percentage changed from 1.4 to 1.6.
The motorhome percentage changed from 0.7 to 0.1.
The operational emission year changed from 2002 to 2020.
The operational winter temperature changed from 40 to 50.
The operational summer temperature changed from 85 to 95.
The operational summer selection item changed from 7 to 8.
The travel mode environment settings changed from both to: non-residential
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changed to: Side Walks/Paths: Most Destinations Covered
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changed to: Visually Interesting Uses: Moderate Number and Variety
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Pedestrian Safety from Crime: No Degree of Safety
changed to: Pedestrian Safety from Crime: Moderate Degree of Safety
Visually Interesting Walking Routes: No Visual Interest
changed to: Visually Interesting Walking Routes: Minor Level
Transit Service: Dial-A-Ride or No Transit Service
changed to: Transit Service: >60 Minute Bus within 1/4 Mile
Interconnected Bikeways: No Bikeway Coverage
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Uses w/in Cycling Distance: No Uses w/in Cycling Distance
changed to: Uses w/in Cycling Distance: Moderate Number and Variety
Mitigation measure Provide Wide Sidewalks and Onsite Pedestrian Facilities:1
has been changed from off to on.
Mitigation measure Provide Street Lighting:0.5
has been changed from off to on.
Mitigation measure Project Provides Shade Trees to Shade Sidewalks:0.5
has been changed from off to on.
Mitigation measure Provide Bike Lanes/Paths Connecting to Bikeway System:2
has been changed from off to on.
Mitigation measuremitop5: Park and Ride Lots
has been changed from on to off.

Operational Emissions

Phase C, 2020

URBEMIS 2001 For Windows 6.2.1

File Name: C:\Program Files\URBEMIS 2001 For Windows\Projects2k\DeWitt Oper
Project Name: DeWitt Phase D Operational
Project Location: Lower Sacramento Valley Air Basin

SUMMARY REPORT
(Pounds/Day - Winter)

AREA SOURCE EMISSION ESTIMATES					
	ROG	NOx	CO	PM10	SO2
TOTALS (lbs/day, unmitigated)	0.51	0.26	0.11	0.00	0.00
OPERATIONAL (VEHICLE) EMISSION ESTIMATES					
	ROG	NOx	CO	PM10	SO2
TOTALS (ppd, unmitigated)	1.62	1.60	16.86	1.02	0.01

Operational Emissions
Phase D, 2010

URBEMIS 2001 For Windows 6.2.1

File Name: C:\Program Files\URBEMIS 2001 For Windows\Projects2k\DeWitt Oper
Project Name: DeWitt Phase D Operational
Project Location: Lower Sacramento Valley Air Basin

DETAIL REPORT
(Pounds/Day - Summer)

AREA SOURCE EMISSION ESTIMATES (Summer Pounds per Day, Unmitigated)					
Source	ROG	NOx	CO	PM10	SO2
Natural Gas	0.02	0.26	0.11	0.00	-
Wood Stoves - No summer emissions					
Fireplaces - No summer emissions					
Landscaping	0.13	0.02	1.10	0.00	0.00
Consumer Prdcts	0.49	-	-	-	-
TOTALS (lbs/day, unmitigated)	0.63	0.28	1.21	0.00	0.00

Operational Emissions

Phase D, 2010

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	PM10	SO2
Condo/townhouse general	0.93	0.47	9.30	0.49	0.00
Elementary school	0.56	0.25	4.83	0.26	0.00
Blank (Edit all 5 columns	0.60	0.20	3.79	0.20	0.00
Government office building	0.30	0.07	1.29	0.07	0.00
TOTAL EMISSIONS (lbs/day)	2.39	0.99	19.21	1.02	0.01

Does not include correction for passby trips.

Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2010 Temperature (F): 95 Season: Summer

EMFAC Version: EMFAC2001 (10/2001)

Summary of Land Uses:

Unit Type	Trip Rate	Size	Total Trips
Condo/townhouse general	7.00 trips / dwelling units	10.00	70.00
Elementary school	5.25 trips / 1000 sq. ft.	8.00	42.00
Blank (Edit all 5 columns	3.00 trips / 1000 sq. ft.	12.50	37.50
Government office building	1.50 trips / 1000 sq. ft.	8.00	12.00

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	62.20	4.70	94.50	0.80
Light Truck < 3,750 lbs	11.00	11.00	88.90	0.10
Light Truck 3,751- 5,750	18.00	1.80	97.60	0.60
Med Truck 5,751- 8,500	7.20	12.50	79.20	8.30
Lite-Heavy 8,501-10,000	1.10	18.20	72.70	9.10
Lite-Heavy 10,001-14,000	0.00	0.00	66.70	33.30
Med-Heavy 14,001-33,000	0.00	9.10	27.30	63.60
Heavy-Heavy 33,001-60,000	0.00	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.00	0.00	0.00	100.00
Motorcycle	0.50	90.90	9.10	0.00
School Bus	0.00	0.00	0.00	100.00
Motor Home	0.00	0.00	100.00	0.00

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	9.7	3.8	4.6	7.8	4.5	4.5
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	27.3	21.2	51.5			

% of Trips - Commercial (by land use)

Elementary school	Operational Emissions	20.0	10.0	70.0
Blank (Edit all 5 columns)	Phase D, 2010	2.0	1.0	97.0

Government office building	10.0	5.0	85.0
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Operational Emissions

Phase D, 2010

Changes made to the default values for Area

The wood stove option switch changed from on to off.
The fireplace option switch changed from on to off.
The area source mitigation measure option switch changed from on to off.
The natural gas residential percentage changed from 60 to 100.
The landscape year changed from 2002 to 2010.
Mitigation measure Central Water Heater: Cmrc1 Space Heat.
has been changed from off to on.

Changes made to the default values for Operations

The pass by trips option switch changed from on to off.
The mitigation option switch changed from on to off.
The light auto percentage changed from 61.4 to 62.2.
The light truck < 3750 lbs percentage changed from 9.3 to 11.
The light truck 3751-5750 percentage changed from 16.7 to 18.
The lite-heavy truck 10001-14000 percentage changed from 0.3 to 0.
The med-heavy truck 14001-33000 percentage changed from 1.1 to 0.
The heavy-heavy truck 33001-60000 percentage changed from 0.7 to 0.
The motorcycle percentage changed from 1.4 to 0.5.
The school bus percentage changed from 0.1 to 0.
The motorhome percentage changed from 0.7 to 0.
The operational emission year changed from 2002 to 2010.
The operational winter temperature changed from 40 to 50.
The operational summer temperature changed from 85 to 95.
The operational summer selection item changed from 7 to 8.
The double counting internal work trip limit changed from to 10.35.
The double counting shopping trip limit changed from to 5.175.
The double counting other trip limit changed from to 36.05.
The travel mode environment settings changed from both to: none
The default/noddefault travel setting changed from noddefault to: noddefault
Side Walks/Paths: No Sidewalks
changed to: Side Walks/Paths: Few Destinations Covered
Street Trees Provide Shade: No Coverage
changed to: Street Trees Provide Shade: Some Coverage
Pedestrian Circulation Access: No Destinations
changed to: Pedestrian Circulation Access: Few Destinations
Visually Interesting Uses: No Uses Within Walking Distance
changed to: Visually Interesting Uses: Some Uses within Walking Distance
Street System Enhances Safety: No Streets
changed to: Street System Enhances Safety: Few Streets
Pedestrian Safety from Crime: No Degree of Safety
changed to: Pedestrian Safety from Crime: Some Degree of Safety
Visually Interesting Walking Routes: No Visual Interest
changed to: Visually Interesting Walking Routes: Moderate Level
Interconnected Bikeways: No Bikeway Coverage
changed to: Interconnected Bikeways: Low Coverage
Bike Routes Provide Paved Shoulders: No Routes
changed to: Bike Routes Provide Paved Shoulders: Few Routes
Safe Vehicle Speed Limits: No Routes Provided
changed to: Safe Vehicle Speed Limits: Few Destinations
Safe School Routes: No Schools
changed to: Safe School Routes: One School

Operational Emissions

Phase D, 2010

URBEMIS 2001 For Windows 6.2.1

File Name: C:\Program Files\URBEMIS 2001 For Windows\Projects2k\DeWitt Oper
 Project Name: DeWitt Phase D Operational
 Project Location: Lower Sacramento Valley Air Basin

SUMMARY REPORT
 (Pounds/Day - Winter)

AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	PM10	SO2
TOTALS (lbs/day, unmitigated)	0.51	0.26	0.11	0.00	0.00

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	PM10	SO2
TOTALS (ppd, unmitigated)	0.94	1.04	12.01	1.02	0.01

Operational Emissions**Phase D, 2020**

URBEMIS 2001 For Windows 6.2.1

File Name: C:\Program Files\URBEMIS 2001 For Windows\Projects2k\DeWitt Oper
 Project Name: DeWitt Phase D Operational
 Project Location: Lower Sacramento Valley Air Basin

DETAIL REPORT
 (Pounds/Day - Summer)

AREA SOURCE EMISSION ESTIMATES (Summer Pounds per Day, Unmitigated)	ROG	NOx	CO	PM10	SO2
Source					
Natural Gas	0.02	0.26	0.11	0.00	-
Wood Stoves - No summer emissions					
Fireplaces - No summer emissions					
Landscaping	0.13	0.02	1.10	0.00	0.00
Consumer Prdcts	0.49	-	-	-	-
TOTALS (lbs/day, unmitigated)	0.63	0.28	1.21	0.00	0.00

Operational Emissions

Phase D, 2020

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	PM10	SO2
Condo/townhouse general	0.56	0.30	6.59	0.49	0.00
Elementary school	0.34	0.16	3.44	0.26	0.00
Blank (Edit all 5 columns	0.38	0.13	2.70	0.20	0.00
Government office building	0.19	0.04	0.92	0.07	0.00
TOTAL EMISSIONS (lbs/day)	1.48	0.64	13.64	1.02	0.01

Does not include correction for passby trips.

Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2020 Temperature (F): 95 Season: Summer

EMFAC Version: EMFAC2001 (10/2001)

Summary of Land Uses:

Unit Type	Trip Rate	Size	Total Trips
Condo/townhouse general	7.00 trips / dwelling units	10.00	70.00
Elementary school	5.25 trips / 1000 sq. ft.	8.00	42.00
Blank (Edit all 5 columns	3.00 trips / 1000 sq. ft.	12.50	37.50
Government office building	1.50 trips / 1000 sq. ft.	8.00	12.00

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	62.20	4.70	94.50	0.80
Light Truck < 3,750 lbs	11.00	11.00	88.90	0.10
Light Truck 3,751- 5,750	18.00	1.80	97.60	0.60
Med Truck 5,751- 8,500	7.20	12.50	79.20	8.30
Lite-Heavy 8,501-10,000	1.10	18.20	72.70	9.10
Lite-Heavy 10,001-14,000	0.00	0.00	66.70	33.30
Med-Heavy 14,001-33,000	0.00	9.10	27.30	63.60
Heavy-Heavy 33,001-60,000	0.00	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.00	0.00	0.00	100.00
Motorcycle	0.50	90.90	9.10	0.00
School Bus	0.00	0.00	0.00	100.00
Motor Home	0.00	0.00	100.00	0.00

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	9.7	3.8	4.6	7.8	4.5	4.5
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	27.3	21.2	51.5			

% of Trips - Commercial (by land use)

Elementary school	Operational Emissions	20.0	10.0	70.0
Blank (Edit all 5 columns)	Phase D, 2020	2.0	1.0	97.0

Goverment office building	10.0	5.0	85.0
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Operational Emissions

Phase D, 2020

Changes made to the default values for Area

The wood stove option switch changed from on to off.
The fireplace option switch changed from on to off.
The area source mitigation measure option switch changed from on to off.
The natural gas residential percentage changed from 60 to 100.
The landscape year changed from 2002 to 2020.
Mitigation measure Central Water Heater: Cmrc1 Space Heat.
has been changed from off to on.

Changes made to the default values for Operations

The pass by trips option switch changed from on to off.
The mitigation option switch changed from on to off.
The light auto percentage changed from 61.4 to 62.2.
The light truck < 3750 lbs percentage changed from 9.3 to 11.
The light truck 3751-5750 percentage changed from 16.7 to 18.
The lite-heavy truck 10001-14000 percentage changed from 0.3 to 0.
The med-heavy truck 14001-33000 percentage changed from 1.1 to 0.
The heavy-heavy truck 33001-60000 percentage changed from 0.7 to 0.
The motorcycle percentage changed from 1.4 to 0.5.
The school bus percentage changed from 0.1 to 0.
The motorhome percentage changed from 0.7 to 0.
The operational emission year changed from 2002 to 2020.
The operational winter temperature changed from 40 to 50.
The operational summer temperature changed from 85 to 95.
The operational summer selection item changed from 7 to 8.
The double counting internal work trip limit changed from 10.35.
The double counting shopping trip limit changed from 5.175.
The double counting other trip limit changed from 36.05.
The travel mode environment settings changed from both to: none
The default/noddefault travel setting changed from noddefault to: noddefault
Side Walks/Paths: No Sidewalks
changed to: Side Walks/Paths: Few Destinations Covered
Street Trees Provide Shade: No Coverage
changed to: Street Trees Provide Shade: Some Coverage
Pedestrian Circulation Access: No Destinations
changed to: Pedestrian Circulation Access: Few Destinations
Visually Interesting Uses: No Uses Within Walking Distance
changed to: Visually Interesting Uses: Some Uses within Walking Distance
Street System Enhances Safety: No Streets
changed to: Street System Enhances Safety: Few Streets
Pedestrian Safety from Crime: No Degree of Safety
changed to: Pedestrian Safety from Crime: Some Degree of Safety
Visually Interesting Walking Routes: No Visual Interest
changed to: Visually Interesting Walking Routes: Moderate Level
Interconnected Bikeways: No Bikeway Coverage
changed to: Interconnected Bikeways: Low Coverage
Bike Routes Provide Paved Shoulders: No Routes
changed to: Bike Routes Provide Paved Shoulders: Few Routes
Safe Vehicle Speed Limits: No Routes Provided
changed to: Safe Vehicle Speed Limits: Few Destinations
Safe School Routes: No Schools
changed to: Safe School Routes: One School

Operational Emissions

Phase D, 2020

URBEMIS 2001 For Windows 6.2.1

File Name: C:\Program Files\URBEMIS 2001 For Windows\Projects2k\DeWitt EIR\
 Project Name: Phase A Bldgs 2-5
 Project Location: Lower Sacramento Valley Air Basin

DETAIL REPORT
 (Pounds/Day - Summer)

Total Land Use Area to be Developed (Estimated): 0 acres
 Retail/Office/Institutional Square Footage: 0
 Single Family Units: 0 Multi-family Units: 0

CONSTRUCTION EMISSION ESTIMATES

Source	ROG	NOx	CO	PM10	SO2
Demolition	-	-	-	7.56	-
Site Grading	0.23	4.28	-	5.37	0.52
Const. Worker Trips	0.00	0.00	0.00	0.00	-
Stationary Equip	0.17	0.14	-	0.01	0.00
Mobile Equip. - Gas	0.00	0.00	-	0.00	0.00
Mobile Equip. - Diesel	3.84	55.76	-	3.72	4.72
Architectural Coatings	0.00	-	-	-	-
Asphalt Offgassing	0.00	-	-	-	-
TOTALS (lbs/day, unmitigated)	4.24	60.18	0.00	16.65	5.24

CONSTRUCTION EMISSION ESTIMATES

Source	ROG	NOx	CO	PM10	SO2
Demolition	-	-	-	7.56	-
Site Grading	0.22	4.06	-	1.15	0.49
Const. Worker Trips	0.00	0.00	0.00	0.00	-
Stationary Equip	0.17	0.14	-	0.01	0.00
Mobile Equip. - Gas	0.00	0.00	-	0.00	0.00
Mobile Equip. - Diesel	3.65	52.97	-	3.53	4.48
Architectural Coatings	0.00	-	-	-	-
Asphalt Offgassing	0.00	-	-	-	-
TOTALS (lbs/day, mitigated)	4.04	57.17	0.00	12.25	4.98

Construction-Related Mitigation Measures

Soil Erosion Measures: Water Exposed Surfaces 2x Per Day

Percent Reduction(ROG 0% NOx 0% CO 0% PM10 68% SO2 0%)

Properly Maintain Equipment

Percent Reduction(ROG 5% NOx 5% CO 5% PM10 5% SO2 5%)

Implement Water/Paved Road Measures: Water All Haul Roads 3x Per Day

Percent Reduction(ROG 0% NOx 0% CO 0% PM10 75% SO2 0%)

Reduce Speeds on Unpaved Roads to 15 mph or less

Percent Reduction(ROG 0% NOx 0% CO 0% PM10 70% SO2 0%)

Mobile Equipment: Properly Maintain Equipment

Percent Reduction(ROG 5% NOx 5% CO 5% PM10 5% SO2 5%)

Construction Emissions**Phase A demolition of Buildings 2 – 5**

Changes made to the default values for Construction

The asphalt option switch changed from on to off.
The architectural coating option switch changed from on to off.
The construction year changed from 2002 to 2003.
The length of construction period changed from 250 to 90.
The demolition total width in total volume changed from to 50.
The demolition total length in total volume changed from to 1012.
The demolition total height in total volume changed from to 20.
The demolition total width in maximum daily volume changed from to 30.
The demolition total length in maximum daily volume changed from to 30.
The demolition total height in maximum daily volume changed from to 20.
The demolition days required changed from 10 to 56.
The site grading max daily acreage estimate changed from to 0.5.
The site grading annual days earth moving changed from 250 to 90.
The site grading motor grader total vehicles changed from to 1.
The site grading motor grader hours/day changed from 8 to 6.
The worker construction year changed from 2002 to 2003.
The stationary equipment equipment units changed from 2 to 1.
The mobile diesel fork lift 175 HP total vehicles changed from to 1.
The mobile diesel truck: off hwy total vehicles changed from to 1.
The mobile diesel tracked tractor total vehicles changed from to 1.
Mitigation measure Soil Erosion Measures: Water Exposed Surfaces 2x Per Day:0
has been changed from off to on.
Mitigation measure Properly Maintain Equipment: 5
has been changed from off to on.
Mitigation measure Implement Water/Paved Road Measures: Water All Haul Roads 3x Per Day:0
has been changed from off to on.
Mitigation measure Reduce Speeds on Unpaved Roads to 15 mph or less: 0
has been changed from off to on.
Mitigation measure Mobile Equipment: Properly Maintain Equipment: 5
has been changed from off to on.

Construction Emissions

Phase A demolition of Buildings 2 - 5

URBEMIS 2001 For Windows 6.2.1

File Name: C:\Program Files\URBEMIS 2001 For Windows\Projects2k\DeWitt EIR\
 Project Name: Phase A WWTP demo
 Project Location: Lower Sacramento Valley Air Basin

DETAIL REPORT
 (Pounds/Day - Summer)

Total Land Use Area to be Developed (Estimated): 0 acres
 Retail/Office/Institutional Square Footage: 0
 Single Family Units: 0 Multi-family Units: 0

CONSTRUCTION EMISSION ESTIMATES

Source	ROG	NOx	CO	PM10	SO2
Demolition	-	-	-	3.36	-
Site Grading	0.23	4.28	-	2.87	0.52
Const. Worker Trips	0.00	0.00	0.00	0.00	-
Stationary Equip	0.00	0.00	-	0.00	0.00
Mobile Equip. - Gas	0.00	0.00	-	0.00	0.00
Mobile Equip. - Diesel	2.88	45.68	-	2.82	3.60
Architectural Coatings	0.00	-	-	-	-
Asphalt Offgassing	0.00	-	-	-	-
TOTALS (lbs/day, unmitigated)	3.11	49.96	0.00	9.05	4.12

CONSTRUCTION EMISSION ESTIMATES

Source	ROG	NOx	CO	PM10	SO2
Demolition	-	-	-	3.36	-
Site Grading	0.22	4.06	-	0.75	0.49
Const. Worker Trips	0.00	0.00	0.00	0.00	-
Stationary Equip	0.00	0.00	-	0.00	0.00
Mobile Equip. - Gas	0.00	0.00	-	0.00	0.00
Mobile Equip. - Diesel	2.74	43.40	-	2.68	3.42
Architectural Coatings	0.00	-	-	-	-
Asphalt Offgassing	0.00	-	-	-	-
TOTALS (lbs/day, mitigated)	2.96	47.46	0.00	6.79	3.91

Construction-Related Mitigation Measures

Soil Erosion Measures: Water Exposed Surfaces 2x Per Day

Percent Reduction (ROG 0% NOx 0% CO 0% PM10 68% SO2 0%)

Properly Maintain Equipment

Percent Reduction (ROG 5% NOx 5% CO 5% PM10 5% SO2 5%)

Implement Water/Paved Road Measures: Water All Haul Roads 3x Per Day

Percent Reduction (ROG 0% NOx 0% CO 0% PM10 75% SO2 0%)

Reduce Speeds on Unpaved Roads to 15 mph or less

Percent Reduction (ROG 0% NOx 0% CO 0% PM10 70% SO2 0%)

Mobile Equipment: Properly Maintain Equipment

Percent Reduction (ROG 5% NOx 5% CO 5% PM10 5% SO2 5%)

Construction Emissions**Phase A WWTP demolition**

Changes made to the default values for Construction

The asphalt option switch changed from on to off.
The architectural coating option switch changed from on to off.
The construction year changed from 2002 to 2003.
The length of construction period changed from 250 to 180.
The demolition total width in total volume changed from to 60.
The demolition total length in total volume changed from to 100.
The demolition total height in total volume changed from to 20.
The demolition total width in maximum daily volume changed from to 20.
The demolition total length in maximum daily volume changed from to 20.
The demolition total height in maximum daily volume changed from to 20.
The demolition days required changed from 10 to 15.
The site grading max daily acreage estimate changed from to 0.25.
The site grading annual days earth moving changed from 250 to 30.
The site grading motor grader total vehicles changed from to 1.
The site grading motor grader hours/day changed from 8 to 6.
The worker construction year changed from 2002 to 2003.
The stationary equipment equipment units changed from 2 to 0.
The mobile diesel fork lift 175 HP total vehicles changed from to 1.
The mobile diesel truck: off hwy total vehicles changed from to 1.
Mitigation measure Soil Erosion Measures: Water Exposed Surfaces 2x Per Day:0
has been changed from off to on.
Mitigation measure Properly Maintain Equipment: 5
has been changed from off to on.
Mitigation measure Implement Water/Paved Road Measures: Water All Haul Roads 3x Per Day:0
has been changed from off to on.
Mitigation measure Reduce Speeds on Unpaved Roads to 15 mph or less: 0
has been changed from off to on.
Mitigation measure Mobile Equipment: Properly Maintain Equipment: 5
has been changed from off to on.

Construction Emissions

Phase A WWTP demolition

URBEMIS 2001 For Windows 6.2.1

File Name: C:\Program Files\URBEMIS 2001 For Windows\Projects2k\DeWitt EIR\
 Project Name: DeWitt Phase B
 Project Location: Lower Sacramento Valley Air Basin

DETAIL REPORT
 (Pounds/Day - Summer)

Total Land Use Area to be Developed (Estimated): 4 acres
 Retail/Office/Institutional Square Footage: 95000
 Single Family Units: 0 Multi-family Units: 0

CONSTRUCTION EMISSION ESTIMATES

Source	ROG	NOx	CO	PM10	SO2
Demolition	-	-	-	0.00	-
Site Grading	5.11	60.18	-	13.01	6.23
Const. Worker Trips	0.19	0.28	0.52	0.05	-
Stationary Equip	1.01	0.82	-	0.05	0.01
Mobile Equip. - Gas	4.34	3.30	-	0.21	0.18
Mobile Equip. - Diesel	5.56	76.32	-	6.56	9.20
Architectural Coatings	0.00	-	-	-	-
Asphalt Offgassing	0.22	-	-	-	-
TOTALS (lbs/day, unmitigated)	16.44	140.90	0.52	19.88	15.63

CONSTRUCTION EMISSION ESTIMATES

Source	ROG	NOx	CO	PM10	SO2
Demolition	-	-	-	0.00	-
Site Grading	4.86	57.17	-	6.83	5.92
Const. Worker Trips	0.19	0.28	0.52	0.05	-
Stationary Equip	1.01	0.82	-	0.05	0.01
Mobile Equip. - Gas	4.34	3.30	-	0.21	0.18
Mobile Equip. - Diesel	5.28	72.50	-	6.23	8.74
Architectural Coatings	0.00	-	-	-	-
Asphalt Offgassing	0.22	-	-	-	-
TOTALS (lbs/day, mitigated)	15.90	134.07	0.52	13.37	14.86

Construction-Related Mitigation Measures

Soil Erosion Measures: Water Exposed Surfaces 2x Per Day
 Percent Reduction(ROG 0% NOx 0% CO 0% PM10 68% SO2 0%)
 Properly Maintain Equipment
 Percent Reduction(ROG 5% NOx 5% CO 5% PM10 5% SO2 5%)
 Implement Water/Paved Road Measures: Water All Haul Roads 3x Per Day
 Percent Reduction(ROG 0% NOx 0% CO 0% PM10 75% SO2 0%)
 Reduce Speeds on Unpaved Roads to 15 mph or less
 Percent Reduction(ROG 0% NOx 0% CO 0% PM10 70% SO2 0%)
 Mobile Equipment: Properly Maintain Equipment
 Percent Reduction(ROG 5% NOx 5% CO 5% PM10 5% SO2 5%)

Construction Emissions**Phase B**

Changes made to the default values for Construction

The demolition option switch changed from on to off.
The architectural coating option switch changed from on to off.
The construction year changed from 2002 to 2004.
The length of construction period changed from 250 to 365.
The site grading max daily acreage estimate changed from to 0.7.
The site grading annual days earth moving changed from 250 to 60.
The site grading scraper total vehicles changed from to 1.
The site grading wheeled tractor total vehicles changed from to 1.
The site grading motor grader total vehicles changed from to 1.
The site grading miscellaneous total vehicles changed from to 1.
The worker commercial/retail trips per 1000 s.f. changed from 0.32 to 0.25.
The worker office/industrial trips per 1000 s.f. changed from 0.42 to 0.25.
The worker construction year changed from 2002 to 2004.
The asphalt acres to be paved changed from 1 to 2.5.
The asphalt total days of paving changed from 10 to 30.
The stationary equipment equipment units changed from 2 to 6.
The mobile gas miscellaneous total vehicles changed from to 1.
The mobile diesel fork lift 175 HP total vehicles changed from to 1.
The mobile diesel truck: off hwy total vehicles changed from to 1.
The mobile diesel tracked tractor total vehicles changed from to 1.
The mobile diesel wheeled dozer total vehicles changed from to 1.
The mobile diesel roller total vehicles changed from to 1.
The mobile diesel miscellaneous total vehicles changed from to 1.
Mitigation measure Soil Erosion Measures: Water Exposed Surfaces 2x Per Day:0
has been changed from off to on.
Mitigation measure Properly Maintain Equipment: 5
has been changed from off to on.
Mitigation measure Implement Water/Paved Road Measures: Water All Haul Roads 3x Per Day:0
has been changed from off to on.
Mitigation measure Reduce Speeds on Unpaved Roads to 15 mph or less: 0
has been changed from off to on.
Mitigation measure Mobile Equipment: Properly Maintain Equipment: 5
has been changed from off to on.

Construction Emissions

Phase B

URBEMIS 2001 For Windows 6.2.1

File Name: C:\Program Files\URBEMIS 2001 For Windows\Projects2k\DeWitt EIR\
 Project Name: Phase C 2004
 Project Location: Lower Sacramento Valley Air Basin

DETAIL REPORT
 (Pounds/Day - Summer)

Total Land Use Area to be Developed (Estimated): 4 acres
 Retail/Office/Institutional Square Footage: 95000
 Single Family Units: 0 Multi-family Units: 0

CONSTRUCTION EMISSION ESTIMATES

Source	ROG	NOx	CO	PM10	SO2
Demolition	-	-	-	0.00	-
Site Grading	2.47	36.42	-	11.77	4.37
Const. Worker Trips	0.19	0.28	0.52	0.05	-
Stationary Equip	1.01	0.82	-	0.05	0.01
Mobile Equip. - Gas	4.34	3.30	-	0.21	0.18
Mobile Equip. - Diesel	4.04	42.96	-	4.48	5.60
Architectural Coatings	0.00	-	-	-	-
Asphalt Offgassing	0.00	-	-	-	-
TOTALS (lbs/day, unmitigated)	12.06	83.78	0.52	16.56	10.16

CONSTRUCTION EMISSION ESTIMATES

Source	ROG	NOx	CO	PM10	SO2
Demolition	-	-	-	0.00	-
Site Grading	2.35	34.60	-	4.86	4.15
Const. Worker Trips	0.19	0.28	0.52	0.05	-
Stationary Equip	1.01	0.82	-	0.05	0.01
Mobile Equip. - Gas	4.34	3.30	-	0.21	0.18
Mobile Equip. - Diesel	3.84	40.81	-	4.26	5.32
Architectural Coatings	0.00	-	-	-	-
Asphalt Offgassing	0.00	-	-	-	-
TOTALS (lbs/day, mitigated)	11.73	79.81	0.52	9.42	9.67

Construction-Related Mitigation Measures

Soil Erosion Measures: Water Exposed Surfaces 2x Per Day
 Percent Reduction(ROG 0% NOx 0% CO 0% PM10 68% SO2 0%)
 Properly Maintain Equipment
 Percent Reduction(ROG 5% NOx 5% CO 5% PM10 5% SO2 5%)
 Implement Water/Paved Road Measures: Water All Haul Roads 3x Per Day
 Percent Reduction(ROG 0% NOx 0% CO 0% PM10 75% SO2 0%)
 Reduce Speeds on Unpaved Roads to 15 mph or less
 Percent Reduction(ROG 0% NOx 0% CO 0% PM10 70% SO2 0%)
 Mobile Equipment: Properly Maintain Equipment
 Percent Reduction(ROG 5% NOx 5% CO 5% PM10 5% SO2 5%)

Construction Emissions**Phase C 2004**

Changes made to the default values for Construction

The demolition option switch changed from on to off.
The asphalt option switch changed from on to off.
The architectural coating option switch changed from on to off.
The construction year changed from 2002 to 2004.
The length of construction period changed from 250 to 365.
The site grading max daily acreage estimate changed from to 0.8.
The site grading annual days earth moving changed from 250 to 60.
The site grading scraper total vehicles changed from to 1.
The site grading motor grader total vehicles changed from to 1.
The worker commercial/retail trips per 1000 s.f. changed from 0.32 to 0.25.
The worker office/industrial trips per 1000 s.f. changed from 0.42 to 0.25.
The worker construction year changed from 2002 to 2004.
The asphalt acres to be paved changed from 1 to 3.5.
The asphalt total days of paving changed from 10 to 90.
The stationary equipment equipment units changed from 2 to 6.
The mobile gas miscellaneous total vehicles changed from to 1.
The mobile diesel fork lift 175 HP total vehicles changed from to 1.
The mobile diesel tracked tractor total vehicles changed from to 1.
The mobile diesel wheeled dozer total vehicles changed from to 1.
The mobile diesel roller total vehicles changed from to 1.
The mobile diesel miscellaneous total vehicles changed from to 1.
Mitigation measure Soil Erosion Measures: Water Exposed Surfaces 2x Per Day:0
has been changed from off to on.
Mitigation measure Properly Maintain Equipment: 5
has been changed from off to on.
Mitigation measure Implement Water/Paved Road Measures: Water All Haul Roads 3x Per Day:0
has been changed from off to on.
Mitigation measure Reduce Speeds on Unpaved Roads to 15 mph or less: 0
has been changed from off to on.
Mitigation measure Mobile Equipment: Properly Maintain Equipment: 5
has been changed from off to on.

Construction Emissions

Phase C 2004

URBEMIS 2001 For Windows 6.2.1

File Name: C:\Program Files\URBEMIS 2001 For Windows\Projects2k\DeWitt EIR\
 Project Name: Phase C 2005
 Project Location: Lower Sacramento Valley Air Basin

DETAIL REPORT
 (Pounds/Day - Summer)

Total Land Use Area to be Developed (Estimated): 4 acres
 Retail/Office/Institutional Square Footage: 95000
 Single Family Units: 0 Multi-family Units: 0

CONSTRUCTION EMISSION ESTIMATES

Source	ROG	NOx	CO	PM10	SO2
Demolition	-	-	-	0.00	-
Site Grading	0.00	0.00	-	0.00	0.00
Const. Worker Trips	0.19	0.28	0.52	0.05	-
Stationary Equip	0.17	0.14	-	0.01	0.00
Mobile Equip. - Gas	0.00	0.00	-	0.00	0.00
Mobile Equip. - Diesel	6.67	93.38	-	7.00	9.35
Architectural Coatings	0.00	-	-	-	-
Asphalt Offgassing	0.10	-	-	-	-
TOTALS (lbs/day, unmitigated)	7.14	93.80	0.52	7.06	9.35

CONSTRUCTION EMISSION ESTIMATES

Source	ROG	NOx	CO	PM10	SO2
Demolition	-	-	-	0.00	-
Site Grading	0.00	0.00	-	0.00	0.00
Const. Worker Trips	0.19	0.28	0.52	0.05	-
Stationary Equip	0.17	0.14	-	0.01	0.00
Mobile Equip. - Gas	0.00	0.00	-	0.00	0.00
Mobile Equip. - Diesel	6.34	88.71	-	6.65	8.88
Architectural Coatings	0.00	-	-	-	-
Asphalt Offgassing	0.10	-	-	-	-
TOTALS (lbs/day, mitigated)	6.80	89.13	0.52	6.71	8.89

Construction-Related Mitigation Measures

Soil Erosion Measures: Water Exposed Surfaces 2x Per Day
 Percent Reduction(ROG 0% NOx 0% CO 0% PM10 68% SO2 0%)
 Properly Maintain Equipment
 Percent Reduction(ROG 5% NOx 5% CO 5% PM10 5% SO2 5%)
 Implement Water/Paved Road Measures: Water All Haul Roads 3x Per Day
 Percent Reduction(ROG 0% NOx 0% CO 0% PM10 75% SO2 0%)
 Reduce Speeds on Unpaved Roads to 15 mph or less
 Percent Reduction(ROG 0% NOx 0% CO 0% PM10 70% SO2 0%)
 Mobile Equipment: Properly Maintain Equipment
 Percent Reduction(ROG 5% NOx 5% CO 5% PM10 5% SO2 5%)

Construction Emissions**Phase C 2005**

Changes made to the default values for Construction

The demolition option switch changed from on to off.
The site grading option switch changed from on to off.
The architectural coating option switch changed from on to off.
The construction year changed from 2002 to 2005.
The length of construction period changed from 250 to 180.
The site grading max daily acreage estimate changed from to 0.75.
The site grading annual days earth moving changed from 250 to 45.
The site grading scraper total vehicles changed from to 1.
The site grading motor grader total vehicles changed from to 1.
The worker commercial/retail trips per 1000 s.f. changed from 0.32 to 0.25.
The worker office/industrial trips per 1000 s.f. changed from 0.42 to 0.25.
The worker construction year changed from 2002 to 2004.
The asphalt acres to be paved changed from 1 to 3.5.
The asphalt total days of paving changed from 10 to 90.
The stationary equipment equipment units changed from 2 to 1.
The mobile diesel truck: off hwy total vehicles changed from to 1.
The mobile diesel tracked tractor total vehicles changed from to 2.
The mobile diesel roller total vehicles changed from to 1.
The mobile diesel motor grader total vehicles changed from to 1.
The mobile diesel miscellaneous total vehicles changed from to 2.
Mitigation measure Soil Erosion Measures: Water Exposed Surfaces 2x Per Day:0
has been changed from off to on.
Mitigation measure Properly Maintain Equipment: 5
has been changed from off to on.
Mitigation measure Implement Water/Paved Road Measures: Water All Haul Roads 3x Per Day:0
has been changed from off to on.
Mitigation measure Reduce Speeds on Unpaved Roads to 15 mph or less: 0
has been changed from off to on.
Mitigation measure Mobile Equipment: Properly Maintain Equipment: 5
has been changed from off to on.

Construction Emissions

Phase C 2005

URBEMIS 2001 For Windows 6.2.1

File Name: C:\Program Files\URBEMIS 2001 For Windows\Projects2k\DeWitt EIR\
 Project Name: DeWitt Phase D 2004
 Project Location: Lower Sacramento Valley Air Basin

DETAIL REPORT
 (Pounds/Day - Summer)

Total Land Use Area to be Developed (Estimated): 1 acres
 Retail/Office/Institutional Square Footage: 16000
 Single Family Units: 0 Multi-family Units: 10

CONSTRUCTION EMISSION ESTIMATES

Source	ROG	NOx	CO	PM10	SO2
Demolition	-	-	-	0.00	-
Site Grading	2.90	39.95	-	11.52	4.37
Const. Worker Trips	0.06	0.08	0.15	0.02	-
Stationary Equip	0.17	0.14	-	0.01	0.00
Mobile Equip. - Gas	3.26	2.47	-	0.16	0.14
Mobile Equip. - Diesel	5.72	32.80	-	5.62	1.33
Architectural Coatings	0.00	-	-	-	-
Asphalt Offgassing	0.08	-	-	-	-
TOTALS (lbs/day, unmitigated)	12.18	75.44	0.15	17.31	5.84

CONSTRUCTION EMISSION ESTIMATES

Source	ROG	NOx	CO	PM10	SO2
Demolition	-	-	-	0.00	-
Site Grading	2.75	37.95	-	5.02	4.15
Const. Worker Trips	0.06	0.08	0.15	0.02	-
Stationary Equip	0.17	0.14	-	0.01	0.00
Mobile Equip. - Gas	3.26	2.47	-	0.16	0.14
Mobile Equip. - Diesel	5.43	31.16	-	5.34	1.26
Architectural Coatings	0.00	-	-	-	-
Asphalt Offgassing	0.08	-	-	-	-
TOTALS (lbs/day, mitigated)	11.75	71.80	0.15	10.53	5.55

Construction-Related Mitigation Measures

Soil Erosion Measures: Water Exposed Surfaces 2x Per Day
 Percent Reduction(ROG 0% NOx 0% CO 0% PM10 68% SO2 0%)
 Properly Maintain Equipment
 Percent Reduction(ROG 5% NOx 5% CO 5% PM10 5% SO2 5%)
 Implement Water/Paved Road Measures: Water All Haul Roads 3x Per Day
 Percent Reduction(ROG 0% NOx 0% CO 0% PM10 75% SO2 0%)
 Reduce Speeds on Unpaved Roads to 15 mph or less
 Percent Reduction(ROG 0% NOx 0% CO 0% PM10 70% SO2 0%)
 Mobile Equipment: Properly Maintain Equipment
 Percent Reduction(ROG 5% NOx 5% CO 5% PM10 5% SO2 5%)

Construction Emissions

Phase D 2004

Changes made to the default values for Construction

The demolition option switch changed from on to off.
The architectural coating option switch changed from on to off.
The construction year changed from 2002 to 2004.
The length of construction period changed from 250 to 180.
The site grading max daily acreage estimate changed from to 0.75.
The site grading annual days earth moving changed from 250 to 40.
The site grading fork lift 50 HP total vehicles changed from to 1.
The site grading scraper total vehicles changed from to 1.
The site grading motor grader total vehicles changed from to 1.
The worker commercial/retail trips per 1000 s.f. changed from 0.32 to 0.2.
The worker office/industrial trips per 1000 s.f. changed from 0.42 to 0.2.
The worker construction year changed from 2002 to 2004.
The asphalt acres to be paved changed from 1 to 0.75.
The asphalt total days of paving changed from 10 to 25.
The stationary equipment equipment units changed from 2 to 1.
The mobile gas miscellaneous total vehicles changed from to 1.
The mobile gas miscellaneous hours/day changed from 8 to 6.
The mobile diesel fork lift 175 HP total vehicles changed from to 1.
The mobile diesel tracked loader total vehicles changed from to 1.
The mobile diesel scraper total vehicles changed from to 1.
The mobile diesel wheeled tractor total vehicles changed from to 1.
The mobile diesel miscellaneous hours/day changed from 8 to 6.
Mitigation measure Soil Erosion Measures: Water Exposed Surfaces 2x Per Day:0
has been changed from off to on.
Mitigation measure Properly Maintain Equipment: 5
has been changed from off to on.
Mitigation measure Implement Water/Paved Road Measures: Water All Haul Roads 3x Per Day:0
has been changed from off to on.
Mitigation measure Reduce Speeds on Unpaved Roads to 15 mph or less: 0
has been changed from off to on.
Mitigation measure Mobile Equipment: Properly Maintain Equipment: 5
has been changed from off to on.

Construction Emissions

Phase D 2004

URBEMIS 2001 For Windows 6.2.1

File Name: C:\Program Files\URBEMIS 2001 For Windows\Projects2k\DeWitt EIR\
 Project Name: DeWitt Phase D 2005
 Project Location: Lower Sacramento Valley Air Basin

DETAIL REPORT
 (Pounds/Day - Summer)

Total Land Use Area to be Developed (Estimated): 1 acres
 Retail/Office/Institutional Square Footage: 16000
 Single Family Units: 0 Multi-family Units: 10

CONSTRUCTION EMISSION ESTIMATES

Source	ROG	NOx	CO	PM10	SO2
Demolition	-	-	-	0.00	-
Site Grading	2.47	36.42	-	6.27	4.37
Const. Worker Trips	0.06	0.08	0.15	0.02	-
Stationary Equip	0.50	0.41	-	0.02	0.01
Mobile Equip. - Gas	3.26	2.47	-	0.16	0.14
Mobile Equip. - Diesel	6.92	46.40	-	8.06	5.27
Architectural Coatings	0.00	-	-	-	-
Asphalt Offgassing	0.09	-	-	-	-
TOTALS (lbs/day, unmitigated)	13.30	85.79	0.15	14.52	9.78

CONSTRUCTION EMISSION ESTIMATES

Source	ROG	NOx	CO	PM10	SO2
Demolition	-	-	-	0.00	-
Site Grading	2.35	34.60	-	3.98	4.15
Const. Worker Trips	0.06	0.08	0.15	0.02	-
Stationary Equip	0.50	0.41	-	0.02	0.01
Mobile Equip. - Gas	3.26	2.47	-	0.16	0.14
Mobile Equip. - Diesel	6.57	44.08	-	7.65	5.01
Architectural Coatings	0.00	-	-	-	-
Asphalt Offgassing	0.09	-	-	-	-
TOTALS (lbs/day, mitigated)	12.83	81.64	0.15	11.83	9.30

Construction-Related Mitigation Measures

Soil Erosion Measures: Water Exposed Surfaces 2x Per Day
 Percent Reduction(ROG 0% NOx 0% CO 0% PM10 68% SO2 0%)
 Properly Maintain Equipment
 Percent Reduction(ROG 5% NOx 5% CO 5% PM10 5% SO2 5%)
 Implement Water/Paved Road Measures: Water All Haul Roads 3x Per Day
 Percent Reduction(ROG 0% NOx 0% CO 0% PM10 75% SO2 0%)
 Reduce Speeds on Unpaved Roads to 15 mph or less
 Percent Reduction(ROG 0% NOx 0% CO 0% PM10 70% SO2 0%)
 Mobile Equipment: Properly Maintain Equipment
 Percent Reduction(ROG 5% NOx 5% CO 5% PM10 5% SO2 5%)

Construction Emissions**Phase D 2005**

Changes made to the default values for Construction

The demolition option switch changed from on to off.
The architectural coating option switch changed from on to off.
The construction year changed from 2002 to 2005.
The length of construction period changed from 250 to 300.
The site grading max daily acreage estimate changed from to 0.25.
The site grading annual days earth moving changed from 250 to 20.
The site grading scraper total vehicles changed from to 1.
The site grading motor grader total vehicles changed from to 1.
The worker commercial/retail trips per 1000 s.f. changed from 0.32 to 0.2.
The worker office/industrial trips per 1000 s.f. changed from 0.42 to 0.2.
The worker construction year changed from 2002 to 2005.
The asphalt acres to be paved changed from 1 to 0.5.
The asphalt total days of paving changed from 10 to 15.
The stationary equipment equipment units changed from 2 to 3.
The mobile gas miscellaneous total vehicles changed from to 1.
The mobile gas miscellaneous hours/day changed from 8 to 6.
The mobile diesel fork lift 175 HP total vehicles changed from to 1.
The mobile diesel tracked loader total vehicles changed from to 1.
The mobile diesel scraper total vehicles changed from to 1.
The mobile diesel wheeled dozer total vehicles changed from to 1.
The mobile diesel wheeled tractor total vehicles changed from to 1.
The mobile diesel miscellaneous total vehicles changed from to 1.
Mitigation measure Soil Erosion Measures: Water Exposed Surfaces 2x Per Day:0
has been changed from off to on.
Mitigation measure Properly Maintain Equipment: 5
has been changed from off to on.
Mitigation measure Implement Water/Paved Road Measures: Water All Haul Roads 3x Per Day:0
has been changed from off to on.
Mitigation measure Reduce Speeds on Unpaved Roads to 15 mph or less: 0
has been changed from off to on.
Mitigation measure Mobile Equipment: Properly Maintain Equipment: 5
has been changed from off to on.

Construction Emissions

Phase D 2005

URBEMIS 2001 For Windows 6.2.1

File Name: C:\Program Files\URBEMIS 2001 For Windows\Projects2k\DeWitt EIR\
 Project Name: DeWitt Phase F Demolition
 Project Location: Lower Sacramento Valley Air Basin

DETAIL REPORT
 (Pounds/Day - Summer)

Total Land Use Area to be Developed (Estimated): 0 acres
 Retail/Office/Institutional Square Footage: 0
 Single Family Units: 0 Multi-family Units: 0

CONSTRUCTION EMISSION ESTIMATES

Source	ROG	NOx	CO	PM10	SO2
Demolition	-	-	-	2.72	-
Site Grading	1.20	13.60	-	3.62	1.14
Const. Worker Trips	0.00	0.00	0.00	0.00	-
Stationary Equip	0.17	0.14	-	0.01	0.00
Mobile Equip. - Gas	0.00	0.00	-	0.00	0.00
Mobile Equip. - Diesel	5.28	72.88	-	6.38	8.69
Architectural Coatings	0.00	-	-	-	-
Asphalt Offgassing	0.00	-	-	-	-
TOTALS (lbs/day, unmitigated)	6.65	86.62	0.00	12.73	9.83

CONSTRUCTION EMISSION ESTIMATES

Source	ROG	NOx	CO	PM10	SO2
Demolition	-	-	-	2.72	-
Site Grading	1.14	12.92	-	1.80	1.09
Const. Worker Trips	0.00	0.00	0.00	0.00	-
Stationary Equip	0.17	0.14	-	0.01	0.00
Mobile Equip. - Gas	0.00	0.00	-	0.00	0.00
Mobile Equip. - Diesel	5.02	69.24	-	6.06	8.25
Architectural Coatings	0.00	-	-	-	-
Asphalt Offgassing	0.00	-	-	-	-
TOTALS (lbs/day, mitigated)	6.32	82.29	0.00	10.60	9.34

Construction-Related Mitigation Measures

Soil Erosion Measures: Water Exposed Surfaces 2x Per Day
 Percent Reduction(ROG 0% NOx 0% CO 0% PM10 68% SO2 0%)
 Properly Maintain Equipment
 Percent Reduction(ROG 5% NOx 5% CO 5% PM10 5% SO2 5%)
 Implement Water/Paved Road Measures: Water All Haul Roads 2x Per Day
 Percent Reduction(ROG 0% NOx 0% CO 0% PM10 3% SO2 0%)
 Reduce Speeds on Unpaved Roads to 15 mph or less
 Percent Reduction(ROG 0% NOx 0% CO 0% PM10 70% SO2 0%)
 Mobile Equipment: Properly Maintain Equipment
 Percent Reduction(ROG 5% NOx 5% CO 5% PM10 5% SO2 5%)

Construction Emissions**Phase F Demolition**

Changes made to the default values for Construction

The asphalt option switch changed from on to off.
The architectural coating option switch changed from on to off.
The construction year changed from 2002 to 2006.
The length of construction period changed from 250 to 175.
The demolition total width in total volume changed from to 50.
The demolition total length in total volume changed from to 1060.
The demolition total height in total volume changed from to 20.
The demolition total width in maximum daily volume changed from to 18.
The demolition total length in maximum daily volume changed from to 18.
The demolition total height in maximum daily volume changed from to 20.
The demolition days required changed from 10 to 164.
The site grading max daily acreage estimate changed from to 0.25.
The site grading annual days earth moving changed from 250 to 10.
The site grading miscellaneous total vehicles changed from to 1.
The worker construction year changed from 2002 to 2006.
The stationary equipment equipment units changed from 2 to 1.
The mobile diesel fork lift 175 HP total vehicles changed from to 1.
The mobile diesel truck: off hwy total vehicles changed from to 1.
The mobile diesel wheeled dozer total vehicles changed from to 1.
The mobile diesel miscellaneous total vehicles changed from to 2.
Mitigation measure Soil Erosion Measures: Water Exposed Surfaces 2x Per Day:0
has been changed from off to on.
Mitigation measure Properly Maintain Equipment: 5
has been changed from off to on.
Mitigation measure Implement Water/Paved Road Measures: Water All Haul Roads 2x Per Day:0
has been changed from off to on.
Mitigation measure Reduce Speeds on Unpaved Roads to 15 mph or less: 0
has been changed from off to on.
Mitigation measure Mobile Equipment: Properly Maintain Equipment: 5
has been changed from off to on.

Construction Emissions

Phase F Demolition

URBEMIS 2001 For Windows 6.2.1

File Name: C:\Program Files\URBEMIS 2001 For Windows\Projects2k\DeWitt EIR\
 Project Name: DeWitt Phase F Paving
 Project Location: Lower Sacramento Valley Air Basin

DETAIL REPORT
 (Pounds/Day - Summer)

Total Land Use Area to be Developed (Estimated): 0 acres

Retail/Office/Institutional Square Footage: 0

Single Family Units: 0 Multi-family Units: 0

CONSTRUCTION EMISSION ESTIMATES

Source	ROG	NOx	CO	PM10	SO2
Demolition	-	-	-	0.00	-
Site Grading	3.67	50.02	-	9.89	5.51
Const. Worker Trips	0.00	0.00	0.00	0.00	-
Stationary Equip	0.17	0.14	-	0.01	0.00
Mobile Equip. - Gas	4.72	2.90	-	0.21	0.15
Mobile Equip. - Diesel	4.00	36.08	-	2.98	1.86
Architectural Coatings	0.00	-	-	-	-
Asphalt Offgassing	0.16	-	-	-	-
TOTALS (lbs/day, unmitigated)	12.72	89.14	0.00	13.09	7.53

CONSTRUCTION EMISSION ESTIMATES

Source	ROG	NOx	CO	PM10	SO2
Demolition	-	-	-	0.00	-
Site Grading	3.49	47.52	-	6.12	5.24
Const. Worker Trips	0.00	0.00	0.00	0.00	-
Stationary Equip	0.17	0.14	-	0.01	0.00
Mobile Equip. - Gas	4.72	2.90	-	0.21	0.15
Mobile Equip. - Diesel	3.80	34.28	-	2.83	1.77
Architectural Coatings	0.00	-	-	-	-
Asphalt Offgassing	0.16	-	-	-	-
TOTALS (lbs/day, mitigated)	12.33	84.83	0.00	9.17	7.16

Construction-Related Mitigation Measures

Soil Erosion Measures: Water Exposed Surfaces 2x Per Day

Percent Reduction(ROG 0% NOx 0% CO 0% PM10 68% SO2 0%)

Properly Maintain Equipment

Percent Reduction(ROG 5% NOx 5% CO 5% PM10 5% SO2 5%)

Implement Water/Paved Road Measures: Water All Haul Roads 2x Per Day

Percent Reduction(ROG 0% NOx 0% CO 0% PM10 3% SO2 0%)

Reduce Speeds on Unpaved Roads to 15 mph or less

Percent Reduction(ROG 0% NOx 0% CO 0% PM10 70% SO2 0%)

Mobile Equipment: Properly Maintain Equipment

Percent Reduction(ROG 5% NOx 5% CO 5% PM10 5% SO2 5%)

Construction Emissions

Phase F Paving

Changes made to the default values for Construction

The demolition option switch changed from on to off.
The architectural coating option switch changed from on to off.
The construction year changed from 2002 to 2007.
The length of construction period changed from 250 to 168.
The site grading max daily acreage estimate changed from to 0.5.
The site grading annual days earth moving changed from 250 to 45.
The site grading scraper total vehicles changed from to 1.
The site grading motor grader total vehicles changed from to 1.
The site grading miscellaneous total vehicles changed from to 1.
The worker construction year changed from 2002 to 2007.
The asphalt acres to be paved changed from 1 to 1.5.
The asphalt total days of paving changed from 10 to 25.
The stationary equipment equipment units changed from 2 to 1.
The mobile gas roller total vehicles changed from to 1.
The mobile diesel fork lift 175 HP total vehicles changed from to 1.
The mobile diesel wheeled tractor total vehicles changed from to 1.
The mobile diesel miscellaneous total vehicles changed from to 1.
Mitigation measure Soil Erosion Measures: Water Exposed Surfaces 2x Per Day:0
has been changed from off to on.
Mitigation measure Properly Maintain Equipment: 5
has been changed from off to on.
Mitigation measure Implement Water/Paved Road Measures: Water All Haul Roads 2x Per Day:0
has been changed from off to on.
Mitigation measure Reduce Speeds on Unpaved Roads to 15 mph or less: 0
has been changed from off to on.
Mitigation measure Mobile Equipment: Properly Maintain Equipment: 5
has been changed from off to on.

Construction Emissions

Phase F Paving

URBEMIS 2001 For Windows 6.2.1

File Name: C:\Program Files\URBEMIS 2001 For Windows\Projects2k\DeWitt EIR\
 Project Name: DeWitt Phase H
 Project Location: Lower Sacramento Valley Air Basin

DETAIL REPORT
 (Pounds/Day - Summer)

Total Land Use Area to be Developed (Estimated): 0 acres
 Retail/Office/Institutional Square Footage: 0
 Single Family Units: 0 Multi-family Units: 0

CONSTRUCTION EMISSION ESTIMATES

Source	ROG	NOx	CO	PM10	SO2
Demolition	-	-	-	4.20	-
Site Grading	2.47	36.42	-	8.77	4.37
Const. Worker Trips	0.00	0.00	0.00	0.00	-
Stationary Equip	0.00	0.00	-	0.00	0.00
Mobile Equip. - Gas	0.00	0.00	-	0.00	0.00
Mobile Equip. - Diesel	5.80	79.84	-	6.78	9.22
Architectural Coatings	0.00	-	-	-	-
Asphalt Offgassing	0.00	-	-	-	-
TOTALS (lbs/day, unmitigated)	8.27	116.26	0.00	19.75	13.59

CONSTRUCTION EMISSION ESTIMATES

Source	ROG	NOx	CO	PM10	SO2
Demolition	-	-	-	4.20	-
Site Grading	2.35	34.60	-	5.05	4.15
Const. Worker Trips	0.00	0.00	0.00	0.00	-
Stationary Equip	0.00	0.00	-	0.00	0.00
Mobile Equip. - Gas	0.00	0.00	-	0.00	0.00
Mobile Equip. - Diesel	5.51	75.85	-	6.44	8.76
Architectural Coatings	0.00	-	-	-	-
Asphalt Offgassing	0.00	-	-	-	-
TOTALS (lbs/day, mitigated)	7.86	110.45	0.00	15.70	12.91

Construction-Related Mitigation Measures

Soil Erosion Measures: Water Exposed Surfaces 2x Per Day
 Percent Reduction(ROG 0% NOx 0% CO 0% PM10 68% SO2 0%)
 Properly Maintain Equipment
 Percent Reduction(ROG 5% NOx 5% CO 5% PM10 5% SO2 5%)
 Implement Water/Paved Road Measures: Water All Haul Roads 2x Per Day
 Percent Reduction(ROG 0% NOx 0% CO 0% PM10 3% SO2 0%)
 Reduce Speeds on Unpaved Roads to 15 mph or less
 Percent Reduction(ROG 0% NOx 0% CO 0% PM10 70% SO2 0%)
 Mobile Equipment: Properly Maintain Equipment
 Percent Reduction(ROG 5% NOx 5% CO 5% PM10 5% SO2 5%)

Construction Emissions

Phase H

Changes made to the default values for Construction

The asphalt option switch changed from on to off.
The stationary equipment option switch changed from on to off.
The architectural coating option switch changed from on to off.
The construction year changed from 2002 to 2006.
The length of construction period changed from 250 to 90.
The demolition total width in total volume changed from to 50.
The demolition total length in total volume changed from to 458.
The demolition total height in total volume changed from to 20.
The demolition total width in maximum daily volume changed from to 25.
The demolition total length in maximum daily volume changed from to 20.
The demolition total height in maximum daily volume changed from to 20.
The demolition days required changed from 10 to 46.
The site grading max daily acreage estimate changed from to 0.5.
The site grading annual days earth moving changed from 250 to 15.
The site grading scraper total vehicles changed from to 1.
The site grading motor grader total vehicles changed from to 1.
The worker construction year changed from 2002 to 2006.
The mobile diesel fork lift 175 HP total vehicles changed from to 1.
The mobile diesel truck: off hwy total vehicles changed from to 1.
The mobile diesel wheeled dozer total vehicles changed from to 1.
The mobile diesel roller total vehicles changed from to 1.
The mobile diesel miscellaneous total vehicles changed from to 2.
Mitigation measure Soil Erosion Measures: Water Exposed Surfaces 2x Per Day:0
has been changed from off to on.
Mitigation measure Properly Maintain Equipment: 5
has been changed from off to on.
Mitigation measure Implement Water/Paved Road Measures: Water All Haul Roads 2x Per Day:0
has been changed from off to on.
Mitigation measure Reduce Speeds on Unpaved Roads to 15 mph or less: 0
has been changed from off to on.
Mitigation measure Mobile Equipment: Properly Maintain Equipment: 5
has been changed from off to on.

Construction Emissions

Phase H

URBEMIS 2001 For Windows 6.2.1

File Name: C:\Program Files\URBEMIS 2001 For Windows\Projects2k\DeWitt EIR\
 Project Name: DeWitt Phase J
 Project Location: Lower Sacramento Valley Air Basin

DETAIL REPORT
 (Pounds/Day - Summer)

Total Land Use Area to be Developed (Estimated): 0 acres
 Retail/Office/Institutional Square Footage: 0
 Single Family Units: 0 Multi-family Units: 0

CONSTRUCTION EMISSION ESTIMATES

Source	ROG	NOx	CO	PM10	SO2
Demolition	-	-	-	5.25	-
Site Grading	2.47	36.42	-	8.77	4.37
Const. Worker Trips	0.00	0.00	0.00	0.00	-
Stationary Equip	0.00	0.00	-	0.00	0.00
Mobile Equip. - Gas	0.00	0.00	-	0.00	0.00
Mobile Equip. - Diesel	7.96	83.52	-	10.06	9.22
Architectural Coatings	0.00	-	-	-	-
Asphalt Offgassing	0.00	-	-	-	-
TOTALS (lbs/day, unmitigated)	10.43	119.94	0.00	24.08	13.59

CONSTRUCTION EMISSION ESTIMATES

Source	ROG	NOx	CO	PM10	SO2
Demolition	-	-	-	5.25	-
Site Grading	2.35	34.60	-	5.05	4.15
Const. Worker Trips	0.00	0.00	0.00	0.00	-
Stationary Equip	0.00	0.00	-	0.00	0.00
Mobile Equip. - Gas	0.00	0.00	-	0.00	0.00
Mobile Equip. - Diesel	7.56	79.34	-	9.56	8.76
Architectural Coatings	0.00	-	-	-	-
Asphalt Offgassing	0.00	-	-	-	-
TOTALS (lbs/day, mitigated)	9.91	113.95	0.00	19.87	12.91

Construction-Related Mitigation Measures

Soil Erosion Measures: Water Exposed Surfaces 2x Per Day
 Percent Reduction(ROG 0% NOx 0% CO 0% PM10 68% SO2 0%)
 Properly Maintain Equipment
 Percent Reduction(ROG 5% NOx 5% CO 5% PM10 5% SO2 5%)
 Implement Water/Paved Road Measures: Water All Haul Roads 2x Per Day
 Percent Reduction(ROG 0% NOx 0% CO 0% PM10 3% SO2 0%)
 Reduce Speeds on Unpaved Roads to 15 mph or less
 Percent Reduction(ROG 0% NOx 0% CO 0% PM10 70% SO2 0%)
 Mobile Equipment: Properly Maintain Equipment
 Percent Reduction(ROG 5% NOx 5% CO 5% PM10 5% SO2 5%)

Construction Emissions

Phase J

Changes made to the default values for Construction

The asphalt option switch changed from on to off.
The stationary equipment option switch changed from on to off.
The architectural coating option switch changed from on to off.
The construction year changed from 2002 to 2008.
The length of construction period changed from 250 to 90.
The demolition total width in total volume changed from to 50.
The demolition total length in total volume changed from to 1010.
The demolition total height in total volume changed from to 20.
The demolition total width in maximum daily volume changed from to 25.
The demolition total length in maximum daily volume changed from to 25.
The demolition total height in maximum daily volume changed from to 20.
The demolition days required changed from 10 to 81.
The site grading max daily acreage estimate changed from to 0.5.
The site grading annual days earth moving changed from 250 to 15.
The site grading scraper total vehicles changed from to 1.
The site grading motor grader total vehicles changed from to 1.
The worker construction year changed from 2002 to 2008.
The mobile diesel fork lift 175 HP total vehicles changed from to 1.
The mobile diesel truck: off hwy total vehicles changed from to 1.
The mobile diesel scraper total vehicles changed from to 1.
The mobile diesel wheeled dozer total vehicles changed from to 1.
The mobile diesel roller total vehicles changed from to 1.
The mobile diesel miscellaneous total vehicles changed from to 2.
Mitigation measure Soil Erosion Measures: Water Exposed Surfaces 2x Per Day:0
has been changed from off to on.
Mitigation measure Properly Maintain Equipment: 5
has been changed from off to on.
Mitigation measure Implement Water/Paved Road Measures: Water All Haul Roads 2x Per Day:0
has been changed from off to on.
Mitigation measure Reduce Speeds on Unpaved Roads to 15 mph or less: 0
has been changed from off to on.
Mitigation measure Mobile Equipment: Properly Maintain Equipment: 5
has been changed from off to on.

Construction Emissions

Phase J